

KOYO ★

S03

91-130262/18

★ J0-3071-047-A

Flaw detection process for leather - by coating tanned surface with
o.g. pigment, irradiating with light source, detecting reflected wave
and image processing

KOYO SANGYO KK 09.08.89-JP-207689

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09.08.89 as 207689 (55JM)

Substance having optical characteristics e.g. aq. black pigment or
yellow inorganic pigment etc., or fluorescent substance made of
inorganic fluorescent pigment etc. is coated (or impregnated) on
tanned leather surface. Excess is removed, then soft X-rays, UV
rays, long wavelength UV rays, visible light, i.e. rays etc. are
irradiated on leather. Leather (or light source) is moved at certain
speed, and reflected wave detected by sensor. Data is treated by
image processing means.

Substance having e.g. magnetic characteristics e.g. magnetic Fe
oxide etc. can be coated on tanned leather, excess substance
removed then leather moved at certain speed passing through
magnetic field (generated by magnetic field generation equipment).
Magnetic change on the tanned leather surface is detected by
magnetic sensor and data is treated by image processing means.

USE/ADVANTAGE - For classification of tanned leather. (3pp

Dwg.No.0/0)

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